

Title (en)

Ceramic turbo charger rotor.

Title (de)

Keramikrotor für Turbolader.

Title (fr)

Rotor céramique pour turbocompresseur à suralimentation.

Publication

**EP 0402095 B1 19940216 (EN)**

Application

**EP 90306095 A 19900605**

Priority

- JP 5502790 A 19900308
- JP 14216889 A 19890606

Abstract (en)

[origin: EP0402095A2] A ceramic turbo charger rotor (11) having a bearing structure in which an inner lathe or sleeve (14) of an annular ball bearing race and a spacer (15) are assembled to a journal shaft (13a) as one unit in such manner that one end of the spacer (15) is assembled to a turbine-side connecting portion (13b) of the journal shaft (13a) in a pressure inserting manner and the other end of the spacer (15) is assembled to a compressor-side connecting portion (13c) of the journal shaft (13a) in a clearance fitting manner. Therefore, the deviation between a center axis and a rotational axis of the rotor (11) caused by the pressure insertion of the spacer (15) is released at the compressor side and the amount of the unbalance before correcting of the rotor (11) is remarkably reduced.

IPC 1-7

**F04D 29/04**; **F04D 25/04**; **F02C 7/06**

IPC 8 full level

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CPC (source: EP US)

**F01D 5/025** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US)

Cited by

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